

Name: _____

Cabinetmaking**Directions:**

Evaluate the student by entering the appropriate number to indicate the degree of competency.

Rating Scale (0-6):

- 0 No Exposure** – no experience/knowledge in this area; program/course did not provide instruction in this area
1 Unsuccessful Attempt – unable to meet knowledge or performance criteria and/or required significant assistance
2 Partial Demonstration – met some of the knowledge or performance criteria with or without minor assistance
3 Knowledge Demonstrated – met knowledge criteria without assistance at least once
4 Performance Demonstrated – met performance criteria without assistance at least once
5 Repetitive Demonstration – met performance and/or knowledge criteria without assistance on multiple occasions
6 Mastered – successfully applied knowledge or skills in this area to solve related problems independently

NOTE:

* = Core competencies (essential for the first day on the job).

0	1	2	3	4	5	6	A. Appreciate and apply all personal and workplace safety procedures	Notes:
							*1. Demonstrate good safety practices (e.g. lockout/tagout)	
							*2. Demonstrate good housekeeping practices	
							*3. Communicate safe practices	
							*4. Wear appropriate personal protective equipment (e.g. eye protection, ear protection)	
							*5. Maintain safe work attire and appearance (no loose clothing, hair tied back, no jewelry)	
							*6. Identify the purpose of material safety data sheets	
							*7. Adhere to lab safety rules and manual directions	
							*8. Comprehend safe practices (written exams)	
							*9. Identify the purpose of the Occupational Safety and Health Administration (OSHA)	
							*10. Identify the purpose of the Environmental Protection Agency (EPA) and Department of Natural Resources (DNR) regulations	
							*11. Handle and use chemicals appropriately	
							*12. Use proper lifting techniques	
							Other:	

0	1	2	3	4	5	6	B. Describe and safely interact with all basic cabinetmaking systems, including equipment, tools, and applied academic skills	Notes:
							*1. Read a standard rule	
							*2. Read and interpret a metric rule	
							3. Perform basic computer skills	
							*4. Perform basic math skills	

								*5. Follow written and oral instructions	
								*6. Identify and use measuring and layout tools	
								*7. Calculate linear feet	
								*8. Calculate square feet	
								*9. Calculate board feet	
								*10. Demonstrate an awareness of material costs	
								*11. Identify and properly use hand tools	
								*12. Identify wood species and grades	
								Other:	

0	1	2	3	4	5	6	C. Identify and demonstrate pre-employment skills	Notes:
							*1. Explain industry requirements regarding substance abuse and testing	
							*2. Maintain good personal hygiene	
							*3. Dress appropriately for the job	
							*4. Demonstrate a professional work attitude	
							*5. Communicate effectively (written and oral)	
							*6. Prepare documentation for employment (i.e., resume, cover letter)	
							Other:	

0	1	2	3	4	5	6	D. Use power tools and equipment consistent with industry and safety standards	Notes:
							*1. Demonstrate safe and proper use of pneumatic tools	
							*2. Demonstrate safe and proper use of portable electric tools	
							*3. Operate a table saw safely and accurately	
							*4. Operate a power miter saw safely and accurately	
							*5. Operate a radial arm saw safely and accurately	
							*6. Operate drill press safely and accurately	
							7. Operate jointer safely and accurately	
							8. Operate a planer safely and accurately	
							9. Operate band saw safely and accurately	
							10. Operate wide belt sanding machine safely and accurately	

								11. Operate edge sanding machine safely and accurately	
								12. Operate shaper safely and accurately	
								13. Operate a pocket cutter safely and accurately	
								Other:	

0	1	2	3	4	5	6	E. Use computerized equipment (CNC equipment and CAD software)	Notes:
							1. Possess basic knowledge of CNC operations	
							2. Operate CNC equipment	
							3. Prepare cabinetmaking plans using CAD	
							Other:	

0	1	2	3	4	5	6	F. Setup cabinetmaking equipment consistent with industry and safety standards	Notes:
							1. Set up table saw safely and accurately	
							2. Set up radial arm saw safely and accurately	
							3. Set up drill press safely and accurately	
							4. Set up jointer safely and accurately	
							5. Set up planer safely and accurately	
							6. Set up band saw safely and accurately	
							7. Set up wide belt sanding machine safely and accurately	
							8. Set up edge sanding machine safely and accurately	
							9. Set up shaper safely and accurately	
							10. Set up pocket cutter safely and accurately	
							Other:	

0	1	2	3	4	5	6	G. Construct cabinetmaking joinery consistent with industry and safety standards	Notes:
							*1. Select and use fasteners when constructing joints (e.g. finish nails, screws) Specify:	
							*2. Identify types of joints used in cabinetmaking	
							3. Lay out, cut, and construct a butt joint	
							4. Lay out, cut, and construct a dado joint	
							5. Lay out, cut, and construct a rabbet joint	
							6. Lay out, cut, and construct a miter joint	

								7. Install dowels in common wood joints	
								8. Lay out, cut, and construct biscuit joints	
								Other:	

0	1	2	3	4	5	6	H. Construct 32mm cabinet systems consistent with industry and safety standards.	Notes:
							1. Describe the purpose of the 32mm system	
							2. Select and use fasteners and hardware specific to the 32mm system	
							3. Identify equipment of a 32mm system	
							4. Identify tools of a 32mm system	
							5. Use equipment of a 32mm system	
							6. Use edge bander properly	
							7. Use tools of 32mm system	
							8. Construct cabinets using the 32mm system	
							Other:	

0	1	2	3	4	5	6	I. Glue and clamp cabinetmaking projects	Notes:
							*1. Use clamps (e.g. bar, hand-screw, C, webbing, and spring) during gluing operations	
							*2. Perform safe and proper gluing procedures	
							Other:	

0	1	2	3	4	5	6	J. Design cabinetmaking projects	Notes:
							1. Identify styles of cabinets	
							2. Read and interpret cabinetmaking plans	
							3. Read and interpret a floor plan	
							4. Layout cabinet from floor plan	
							5. Verify design with field measurement for construction drawing	
							6. Identify component parts of a cabinet	
							7. Prepare cut sheet	
							8. Identify cabinet hardware	
							9. Calculate materials costs	
							Other:	

0	1	2	3	4	5	6	K. Cut, machine, and assemble cabinetry components consistent with industry and safety standards	Notes:
							*1. Interpret cut sheet	
							2. Cut component parts of cabinet	
							3. Machine component parts of cabinet	
							4. Assemble component parts of cabinet	
							5. Cut component parts of face frame	
							6. Machine component parts of face frame	
							7. Assemble component parts of face frame	
							8. Cut component parts of doors	
							9. Machine component parts of doors	
							10. Assemble component parts of doors	
							11. Cut component parts of drawers	
							12. Machine component parts of drawers	
							13. Assemble component parts of drawers	
							14. Install cabinet hardware	
							Other:	

0	1	2	3	4	5	6	L. Finish cabinetry consistent with industry and safety standards	Notes:
							*1. Wear appropriate personal protective equipment related to the finishing technique	
							2. Identify types and grades of abrasive materials	
							*3. Prepare surface for finishing (i.e. sanding)	
							4. Identify stains and application procedures	
							5. Identify finishes, their uses, and precautions	
							6. Apply finishes	
							Other:	

0	1	2	3	4	5	6	M. Apply laminates/veneers consistent with industry and safety standards	Notes:
							*1. Wear appropriate personal protective equipment (respirator, glasses, etc.)	
							2. Identify plastic laminates and their uses	
							3. Identify adhesives, their uses, and precautions	

								4. Apply laminate adhesives	
								5. Handle laminate sheets properly	
								6. Identify and use proper tooling of laminate	
								7. Identify types of veneer and their uses	
								8. Adhere veneer properly	
								Other:	

0	1	2	3	4	5	6	N. Construct countertops consistent with industry and safety standards	Notes:
							1. Identify types of countertop designs and materials	
							2. Lay out countertops	
							3. Cut countertops	
							4. Construct plastic laminate tops	
							Other:	

0	1	2	3	4	5	6	O. Install cabinetry consistent with industry and safety standards	Notes:
							*1. Demonstrate jobsite professionalism	
							2. Use various fasteners and leveling devices to install cabinets	
							3. Install countertops	
							4. Install molding and trim	
							Other:	

0	1	2	3	4	5	6	P. Demonstrate leadership skills in the classroom, industry, and society	Notes:
							1. Determine an understanding of VICA, its structure, and activities	
							2. Demonstrate an understanding of one's personal values	
							3. Perform tasks related to effective personal management skills	
							*4. Demonstrate good interpersonal skills	
							*5. Demonstrate etiquette and courtesy	
							*6. Demonstrate effectiveness in oral and written communication	
							*7. Develop and maintain a code of professional ethics	
							*8. Maintain a good professional appearance	
							9. Perform basic tasks related to securing and terminating employment	

							10. Perform basic parliamentary procedures in a group meeting	
							Other:	

*****NOTE: These competencies are addressed in the Missouri SkillsUSA-VICA Curriculum Guide lessons***